What/is claimed is:

A method of inhibiting tumor cell growth in a subject comprising administering to said subject a cytotoxic or a chemotherapeutic agent and a composition comprising an insulin-like growth factor receptor-1 (IGF-1R) inhibitor.

- 2. The method of claim 1, wherein said composition is administered concomitantly with said agent.
- 3. The method of claim 1, wherein said composition is administered within 48 hours after said agent.
- 4. The method of claim 1, wherein said composition is administered within 24 hours after said agent.
- 5. The method of claim 1, wherein said composition is administered within 12 hours after said agent.
- 6. The method of claim 1, wherein said composition is administered within 3-12 hours after said agent.
- 7. The method of claim1, wherein said composition is administered over a preselected period of time.
- 8. The method of claim 2, wherein said preselected period of time is about 1 to 2 days.
- 9. The method of claim 1, wherein the dose of said agent is sub-therapeutic.
- 10. The method of claim 1, wherein the dose of said IGF-1R inhibitor is sub-therapeutic.

11. The method of claim1, wherein the dose of said IGF-1R inhibitor is in an amount sufficient to cause hyperglycemia, ketosis or glucosurioa.

- 12. The method of claim 1, wherein said IGF-1R inhibitor is a small molecule tyrosine kinase inhibitor, an anti- IGF-1R neutralizing antibody, or an IGF-1R antagonist.
- 13. The method of claim 12, wherein the small molecule tyrosine kinase inhibitor is ADW-742, NVP-AEW541, or analogs or isomers thereof.
- 14. The method of claim 12, wherein the IGF-1R antibody is α -IR3.
- 15. The method of claim 12, wherein the IGF-1R antagonist is JB-1.
- 16. The method of claim 1, wherein said cytotoxic agent is radiation therapy.
- 17. The method of claim 1, wherein said chemotherapeutic agent is doxorubicin, melphalan or dexamethasone.
- A method of inhibiting tumor cell growth in a subject comprising administering to said subject a first composition comprising a compound which lowers the concentration of insulin-like growth factor and a second composition comprising an insulin-like growth factor receptor-1 (IGF-1R) inhibitor.
- 19. The method of claim 12, wherein said concentration is serum concentration.
- 20. The method of claim 12, wherein said concentration is tumor microenvironment concentration.
- 21. The method of claim 12, wherein said IGF is produced by the liver.

- 22. The method of claim 12, wherein said IGF is produced by a tumor.
- 23. The method of claim 12, wherein said compound is a somatostatin or analogue thereof.
- 24. The method of claim 12, wherein said second composition is administered concomitantly with said first composition.
- 25. The method of claim 12, wherein said second composition is administered within 48 hours after said first composition.
- 26. The method of claim 12, wherein said second composition is administered within 24 hours after said first composition.
- 27. The method of claim 12, wherein said second composition is administered within 12 hours after said first composition.
- 28. The method of claim 12, wherein said second composition is administered within 3-12 hours after said first composition.
- 29. The method of claim 12, wherein said IGF-1R inhibitor is a small molecule tyrosine kinase inhibitor, an anti- IGF-1R neutralizing antibody, or an IGF-1R antagonist.
- 30. The method of claim 29, wherein the small molecule tyrosine kinase inhibitor is ADW-742, NVP-AEW541, or analogs or isomers thereof.
- 31. The method of claim 29, wherein the IGF-1R antibody is α -IR3.
- 32. The method of claim 29, wherein the IGF-1R antagonist is JB-1.

A method of inhibiting tumor cell growth in a subject comprising administering to said subject a composition comprising an insulin-like growth factor receptor-1 (IGF-1R) inhibitor and an anti-diabetic agent.

- 34. The method of claim 30, wherein said anti-diabetic agent is an insulin polypeptide, an insulin sensitivity enhancer, and an insulin secretion enhancer.
- 35. The method of claim 34, wherein said insulin sensitivity enhancers is a thiazolidineodione or a biguanide.
- 36. The method of claim 34, wherein said insulin secretion enhancer is a glucosidase inhibitor.
- 37. The method of claim 30, wherein said IGF-1R inhibitor is a small molecule tyrosine kinase inhibitor.
- The method of claim 37, wherein the small molecule tyrosine kinase inhibitor is ADW-742, NVP-AEW541, or analogs or isomers thereof.
- A method of inhibiting tumor cell growth in a subject comprising by administering to said subject a composition comprising a compound that decreases the expression or activity of an insulin-like growth factor receptor-1 (IGF-1R).
- 40. The method of claim 39, further comprising administering to said subject a composition comprising an insulin-like growth factor receptor-1 (IGF-1R) inhibitor.
- The method of claim 39, wherein said compound decrease cell surface expression of said IGF-1R.

42. The method of claim 30, wherein said compound is a IGF-1R siRNA or an IGF-1R anti-sense nucleic acid.

- 43. The method of claim 30, wherein said compound:
 - a. inhibits intracellular trafficking of the IGF-1R;
 - b. inhibits post-translational modification of the IGF-1R;
 - c. enhances degradation or ubiquitination of the IGF-1R; or
 - d. disrupts the proper 3-dimensioal conformation of the IGF-1R
- 44. The method of claim 40, wherein said IGF-1R inhibitor is a small molecule tyrosine kinase inhibitor, an anti- IGF-1R neutralizing antibody, or an IGF-1R antagonist.
- 45. The method of claim 44, wherein the small molecule tyrosine kinase inhibitor is ADW-742, NVP-AEW541, or analogs or isomers thereof
- 46. The method of claim 44, wherein the IGF-1R antibody is α -IR3.
- 47. The method of claim 44, wherein the IGF-1R antagonist is JB-1.
- A method of reducing angiogenesis in a tissue, comprising contacting said tissue with an insulin-like growth factor receptor-1 (IGF-1R) inhibitor.
- 49. The method of claim 48, wherein said tissue is a tumor tissue.
- 50. The method of claim 48, wherein said IGF-1R inhibitor is a small molecule tyrosine kinase inhibitor, an anti- IGF-1R neutralizing antibody, or an IGF-1R antagonist.
- 51. The method of claim 50, wherein the small molecule tyrosine kinase inhibitor is NVP-ADW-742, NVP-AEW541, or analogs or isomers thereof.

52. The method of claim 50, wherein the IGF-1R antibody is α -IR3.

- 53. The method of claim 50, wherein the IGF-1R antagonist is JB-1.
- 54. A method of inducing apoptosis in a cell, comprising contacting said cell with an insulin-like growth factor receptor-1 (IGF-1R) inhibitor.
- 55. The method of claim 54, wherein said cell is a tumor cell.
- 56. The method of claim 54, wherein said IGF-1R inhibitor is a small molecule tyrosine kinase inhibitor, an anti- IGF-1R neutralizing antibody, or an IGF-1R antagonist.
- 57. The method of claim 56, wherein the small molecule tyrosine kinase inhibitor is ADW-742, NVP-AEW541, or analogs or isomers thereof
- 58. The method of claim 56, wherein the IGF-1R antibody is α -IR3.
- 59. The method of claim 56, wherein the IGF-1R antagonist is JB-1.